

ARTICLE HAVING AN IMPROVED
PLATINUM-ALUMINUM-HAFNIUM PROTECTIVE COATING

ABSTRACT OF THE DISCLOSURE

An article protected by a protective coating has a substrate and a protective coating having an outer layer deposited upon the substrate surface and a diffusion zone formed by interdiffusion of the outer layer and the substrate. The protective coating includes platinum, aluminum, no more than about 2 weight percent hafnium, and substantially no silicon. The outer layer is substantially a single phase.